

# COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the

invention entitled MODIFIED RIBOZYMES

the specification of which

                 is attached hereto.

X was filed on 23rd September 1991

as Application

Serial No. PCT/EP91/01811

and was amended on                 

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

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I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

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PCT/EP90/01731 (Number)	PCT (Country)	12 OCTOBER 1990 (Day/Month/Year Filed)	<u>X</u> Yes	No
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<u>                </u>	<u>                </u>	<u>                </u>	<u>                </u>	<u>                </u>

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Richard J. Warburg, Esq.,  
Registration No. 32,327.

Kindly recognize as associate attorney: Roland N. Smoot, Reg. No. 18,718; Conrad R. Solum, Jr., Reg. No. 20,467; James W. Geriak, Reg. No. 20,233; Robert M. Taylor, Jr., Reg. No. 19,848; Samuel B. Stone, Reg. No. 19,297; Douglas E. Olson, Reg. No. 22,798; Robert E. Lyon, Reg. No. 24,171; Robert C. Weiss, Reg. No. 24,939; William E. Thomson, Jr., Reg. No. 20,719; Richard E. Lyon, Jr., Reg. No. 26,300; John D. McConaghay, Reg. No. 26,773; William C. Steffin, Reg. No. 26,811; Coe A. Bloomberg, Reg. No. 26,605; J. Donald McCarthy, Reg. No. 25,119; John M. Bonassi, Reg. No. 27,483; James H. Shalek, Reg. No. 29,749; Allan W. Jansen, Reg. No. 29,395; Robert W. Dickerson, Reg. No. 29,914; Roy L. Anderson, Reg. No. 30,240; David B. Murphy, Reg. No. 31,125; James C. Brooks, Reg. No. 29,898; Jeffrey M. Olson, Reg. No. 30,790; Steven D. Hennninger, Reg. No. 30,753; Jerrold B. Reilly, Reg. No. 32,293; and Suzanne L. Biggs, Reg. No. 30,158 of LYON & LYON, 611 West Sixth Street, Los Angeles, California 90017, Telephone (619) 552-8400.

Address all telephone calls to RICHARD J. WARBURG, ESQ. at telephone no. (619) 552-8400.

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Full name of sole or first inventor FRITZ ECKSTEIN

Inventor's signature Fritz Eckstein Date: 22.07.93

Residence Holundersteg 6, Gottingen W-3400, GERMANY

Citizenship GERMANY

Post Office Address Holundersteg 6, Gottingen W-3400, GERMANY

## ADDITIONAL INVENTORS

### WOLFGANG PIEKEN

Full name of inventor WOLFGANG PIEKEN  
Inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_  
Residence 2860 Wilderness Place, Boulder, CO 80301, USA  
Citizenship GERMANY  
Post Office Address 2860 Wilderness Place, Boulder, CO 80301, USA

### FRITZ BENSELER

Full name of inventor FRITZ BENSELER  
Inventor's signature Fritz Benzel Date: 29.7.93  
Residence Neuendorfer Str. 14, D-37130 Gleichen/Etzborn, GERMANY  
Citizenship GERMANY  
Post Office Address Neuendorfer Str. 14, D-37130 Gleichen/Etzborn, GERMANY

### DAVID B. OLSEN

Full name of inventor DAVID B. OLSEN  
Inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_  
Residence WP44-B122, West Point, PA 19486, USA  
Citizenship USA  
Post Office Address WP 44-B122, West Point, PA 19486, USA

### DAVID M. WILLIAMS

Full name of inventor DAVID M. WILLIAMS  
Inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_  
Residence 82 Mill End Road, Cherry Hinton, Cambridge CB1 4JP, ENGLAND  
Citizenship BRITISH  
Post Office Address 82 Mill End Road, Cherry Hinton, Cambridge CB14JP, ENGLAND

ADDITIONAL INVENTORS

CLAF HEINDENREICH

28.7.93 O.I.C.

Full name of inventor

Inventor's signature

Residence

Citizenship

Post Office Address

Date: 28.7.93

Karolineweg 15, Gottingen W-3400, GERMANY

GERMANY

Karolineweg 15, Gottingen W-3400, GERMANY

Full name of inventor

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## invention entitled MODIFIED RIBOZYMES

the specification of which

is attached hereto.

was filed on 23rd September 1991 as Application

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**Full name of sole or first inventor** **FRITZ ECKSTEIN**

Inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_

Residence Holundersteg 6, Gottingen W-3400, GERMANY

## **GERMANY**

Box Office Address: Holunderstrasse 6, Gottingen D-3400, GERMANY

ADDITIONAL INVENTORS

WOLFGANG PIEKEN

Full name of inventor \_\_\_\_\_  
Inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_  
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FRITZ BENSELER

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DAVID B. OLSEN

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OLAF HEINDENREICH

Full name of inventor \_\_\_\_\_

Date: \_\_\_\_\_

Inventor's signature \_\_\_\_\_

Karolinienweg 15, Gottingen W-3400, GERMANY

Residence \_\_\_\_\_

GERMANY

Citizenship \_\_\_\_\_

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DAVID M. WILLIAMS

Full name of inventor \_\_\_\_\_  
Inventor's signature David Williams Date: 28<sup>th</sup> July 1993  
Residence \_\_\_\_\_ 82 Mill End Road, Cherry Hinton, Cambridge CB1 4JP, ENGLAND  
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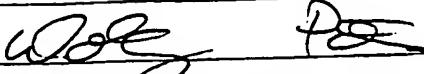
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**Citizenship** **GERMANY**

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Date: \_\_\_\_\_

Inventor's signature \_\_\_\_\_

Residence \_\_\_\_\_

Citizenship \_\_\_\_\_

Post Office Address \_\_\_\_\_

Docket No. \_\_\_\_\_

ASSIGNMENT

WHEREAS the undersigned [hereinafter (collectively) "ASSIGNOR"] have invented certain new and useful improvements in

(Title of Application) Modified Ribozymes

for which an application for United States Letters Patent was executed concurrently herewith unless otherwise indicated.

WHEREAS (Name and address of Assignee) Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.  
Bunsenstraße 10  
W-3400 Göttingen

a German corporation (hereinafter "ASSIGNEE") is desirous of acquiring the entire right, title and interest in the same:

Now, therefore, in consideration of the sum of one dollar (\$1.00), the receipt whereof is hereby acknowledged, and other good and valuable consideration, the said ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor.

Said ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, as the assignee of the entire right, title, and interest in and to the same, for the sole use and for the use of its successors, legal representatives, and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by said ASSIGNOR had this assignment and sale not been made.

Witness, the hand and seal of the ASSIGNOR on the date(s) indicated.

Date(s)

08.10.92

Signature(s)

F. Eckstein

08.10.92

Wolfgang Pieken

08.10.92

Fritz Benseler

David B. Olsen

08.10.92

  
David M. Williams  
Olaf Heidenreich

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(Title of Application) Modified Ribozymes

for which an application for United States Letters Patent was executed concurrently herewith unless otherwise indicated.

WHEREAS (Name and address of Assignee) Max-Planck-Gesellschaft zur Förderung der Wissenschaften e.V.  
Bunsenstraße 10  
W-3400 Göttingen

a German corporation (hereinafter "ASSIGNEE") is desirous of acquiring the entire right, title and interest in the same:

Now, therefore, in consideration of the sum of one dollar (\$1.00), the receipt whereof is hereby acknowledged, and other good and valuable consideration, the said ASSIGNOR hereby sells, assigns and transfers unto said ASSIGNEE, full and exclusive right to the said invention in the United States and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor.

Said ASSIGNOR hereby authorizes and requests the Commissioner of Patents and Trademarks to issue said Letters Patent to said ASSIGNEE, as the assignee of the entire right, title, and interest in and to the same, for the sole use and for the use of its successors, legal representatives, and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by said ASSIGNOR had this assignment and sale not been made.

Witness, the hand and seal of the ASSIGNOR on the date(s) indicated.

Date(s)

08.10.92

Signature(s)

F. Ellin

F. Eckstein

Wolfgang Pieken

08.10.92

Fritz Benseler

Fritz Benseler

07.10.92

David B. Olsen

David B. Olsen

08.10.92

Olaf Heidenreich

David M. Williams

Docket No. \_\_\_\_\_

ASSIGNMENT

WHEREAS the undersigned [hereinafter (collectively) "ASSIGNOR"] have invented certain new and useful improvements in

(Title of Application) Modified Ribozymes

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Date(s)

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Signature(s)

F. EcksteinF. EcksteinWolfgang Pieken08.10.92Fritz BenselerFritz BenselerDavid B. Olsen08.10.92J. WilliamsDavid M. Williams08.10.92O. HeidenreichOlaf Heidenreich

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Cyril. 92

Fritz Benseler

Fritz Benseler

David B. Olsen

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David M. Williams

Olaf Heidenreich

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My residence, post office address and citizenship are as stated below next to my name.

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invention entitled MODIFIED RIBOZYMES

the specification of which

is attached hereto.

x was filed on 23rd September 1991

## as Application

Serial No. PCT/EP91/01811

and was amended on

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PCT/EP90/01731 (Number)	PCT (Country)	12 OCTOBER 1990 (Day/Month/Year Filed)	x Yes	No
(Number)	(Country)	(Day/Month/Year Filed)	Yes	No
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I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Richard J. Warburg, Esq.,  
Registration No. 32,327.

*Kindly recognize as associate attorney: Roland N. Smoot, Reg. No. 18,718; Conrad R. Solum, Jr., Reg. No. 20,467; James W. Geriak, Reg. No. 20,233; Robert M. Taylor, Jr., Reg. No. 19,848; Samuel B. Stone, Reg. No. 19,297; Douglas E. Olson, Reg. No. 22,798; Robert E. Lyon, Reg. No. 24,171; Robert C. Weiss, Reg. No. 24,939; William E. Thomson, Jr., Reg. No. 20,719; Richard E. Lyon, Jr., Reg. No. 26,300; John D. McConaghay, Reg. No. 26,773; William C. Steffin, Reg. No. 26,811; Coe A. Bloomberg, Reg. No. 26,605; J. Donald McCarthy, Reg. No. 25,119; John M. Bonassi, Reg. No. 27,483; James H. Shalck, Reg. No. 29,749; Allan W. Jansen, Reg. No. 29,395; Robert W. Dickerson, Reg. No. 29,914; Roy L. Anderson, Reg. No. 30,240; David B. Murphy, Reg. No. 31,125; James C. Brooks, Reg. No. 29,898; Jeffrey M. Olson, Reg. No. 30,790; Steven D. Henningsen, Reg. No. 30,755; Jerryold P. Reilly, Reg. No. 32,293; and Suzanne L. Biggs, Reg. No. 30,158 of LYON & LYON, 611 West Sixth Street, Los Angeles, California 90017, Telephone (619) 552-8400.*

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Full name of sole or first inventor FRITZ

FRITZ ECKSTEIN

Inventor's signature

Date: \_\_\_\_\_

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Inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_

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FRITZ BENSELER

Full name of inventor FRITZ BENSELER

Inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_

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DAVID B. OLSEN

Full name of inventor DAVID B. OLSEN

Inventor's signature David B Olsen Date: 7/27/93

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Citizenship USA

Post Office Address WP 44-B122, West Point, PA 19486, USA

DAVID M. WILLIAMS

Full name of inventor DAVID M. WILLIAMS

Inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_

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Full name of inventor \_\_\_\_\_

Date: \_\_\_\_\_

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**MODIFIED RIBOZYMES**

**invention entitled** **MODIFIED RIBOZYMES**

the specification of which

\_\_\_\_\_ is attached hereto.

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**Full name of sole or first inventor** **FRITZ ECKSTEIN**

**Inventor's signature** \_\_\_\_\_ **Date:** \_\_\_\_\_

**Residence** **Holundersteg 6, Gottingen W-3400, GERMANY**

## **GERMANY**

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ADDITIONAL INVENTORS

WOLFGANG PIEKEN

Full name of inventor \_\_\_\_\_

Inventor's signature \_\_\_\_\_ Date: \_\_\_\_\_

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DAVID M. WILLIAMS

Full name of inventor \_\_\_\_\_

Inventor's signature \_\_\_\_\_ Date: 28<sup>th</sup> July 1993

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## **GERMANY**

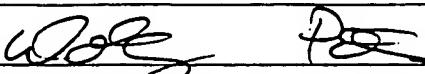
Post Office Address: Holunderstr. 6, Gottingen W-3400, GERMANY

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Full name of inventor \_\_\_\_\_

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Date: \_\_\_\_\_

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28.7.93 O. iek

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